Listing of the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

1. (Currently Amended) A composition ~~for use in synthesizing one or more nucleic acid molecules, said composition~~ comprising 2 or more different, modified, monomeric deoxyribonucleoside triphosphates, wherein said modified deoxyribonucleoside triphosphates have the ability to bind one or more detectable labels.

2. (Original) The composition of claim 1, wherein at least one of said modified nucleotides contains a reactive primary amine.

3. (Original) The composition of claim 1, wherein at least one of said modified nucleotides is aminoallyl-dUTP.

4. (Original) The composition of claim 1, wherein at least one of said modified nucleotides is aminohexyl-dATP.

5. (Original) The composition of claim 1, wherein at least two of said modified nucleotides is selected from the group consisting of aminoallyl-dUTP and aminohexyl-dATP.

6. (Original) The composition of claim 1 further comprising at least one nucleic acid template.

7. (Original) The composition of claim 6, wherein said template is DNA.

8. (Original) The composition of claim 6, wherein said template is RNA.

9. (Original) The composition of claim 8, wherein said template is mRNA or a population of mRNA molecules.

10. (Original) The composition of claim 1, further comprising one or more detectable labels.

11. (Original) The composition of claim 10, wherein said detectable label is a fluorescent label.

12. (Original) The composition of claim 11, wherein said fluorescent label is a cyanine dye.

13. (Original) The composition of claim 12, wherein said cyanine dye is selected from the group consisting of Cy3 and Cy5.

14. (Currently Amended) The composition of claim ~~10~~11, wherein said fluorescent label is an Alexa dye.

15. (Currently Amended) A composition as claimed in any of claims 1-14 and 72, further comprising one or more enzymes having reverse transcriptase activity.

16-31. (Cancelled)

32-54. (Withdrawn)

55. (Currently Amended) A kit ~~for use in labeling one or more nucleic acid molecules, said kit~~ comprising 2 or more different, modified, monomeric deoxyribonucleoside triphosphates, wherein said modified deoxyribonucleoside triphosphates have the ability to bind one or more detectable labels.

56. (Original) A kit of claim 55, wherein at least one of said modified nucleotides contains a reactive primary amine.

57. (Original) A kit of claim 55, wherein at least 2 of said modified nucleotides contain primary reactive amines.

58. (Original) A kit of claim 55, wherein at least one of said modified nucleotides is selected from the group consisting of aminoallyl-dUTP and aminohexyl-dATP.

59. (Original) A kit of claim 55, wherein at least one of said modified nucleotides is aminoallyl-dUTP.

60. (Original) A kit of claim 55, wherein at least one of said modified nucleotides is aminohexyl-dATP.

61. (Original) A kit of claim 55, wherein at least two of said modified nucleotides is selected from the group consisting of aminoallyl-dUTP and aminohexyl-dATP.

62. (Original) A kit of claim 55, further comprising at least one nucleic acid template.

63. (Original) A kit of claim 62, wherein said nucleic acid template is DNA.

64. (Original) A kit of claim 62, wherein said nucleic acid template is RNA.

65. (Original) A kit of claim 64, wherein said RNA template is mRNA or a population of mRNA molecules.

66. (Original) A kit of claim 55, further comprising one or more detectable labels.

67. (Original) A kit of claim 66, wherein at least one detectable label is a fluorescent label.

68. (Original) A kit of claim 66, wherein at least one detectable label is a cyanine dye.

69. (Original) A kit of claim 66, wherein at least one detectable label is selected from the group consisting of Cy3 and Cy5.

70. (Original) A kit of claim 66, wherein at least one detectable label is an Alexa dye.

71. (Currently Amended) A kit as claimed in any of claims 55-70 and 73, further comprising one or more enzymes having reverse transcriptase activity.

72. (New) The composition of claim 10, wherein said detectable labels are the same.

73. (New) The composition of claim 11, wherein said detectable labels are the same.

74. (New) The kit of claim 66, wherein said detectable labels are the same.

75. (New) The kit of claim 67, wherein said detectable labels are the same.

76. (New) A reaction mixture comprising a nucleic acid molecule having 2 or more different, modified, monomeric deoxyribonucleoside triphosphates, wherein said modified deoxyribonucleoside triphosphates have the ability to bind one or more detectable labels.

77. (New) The reaction mixture of claim 76, further comprising detectable labels.

78. (New) The reaction mixture of claim 76, further comprising one or more enzymes having reverse transcriptase activity.

79. (New) The reaction mixture of claim 77, further comprising one or more enzymes having reverse transcriptase activity.

80. (New) The reaction mixture of claim 77, wherein said detectable labels are the same.

81. (New) An isolated cDNA comprising 2 or more different modified nucleotides having detectable labels bound thereto.

82. (New) The cDNA of claim 81, wherein said detectable labels are the same.